

AMENDMENTS TO THE CLAIMS

1-30. (Canceled)

31. (Currently amended) A receiving element for receiving a biological specimen detached from a biological mass by laser radiation, comprising:

a receiving element comprising a receiving surface for receiving the specimen, the receiving surface comprising a[[n]] dissolvable adhesive agent for enhancing the adhesion of the respective specimen to the receiving surface,

wherein the dissolvable adhesive agent is dissolvable without impairing the suitability of the specimen for predetermined processing and/or analysis.

32. (Previously presented) The receiving element according to claim 31, wherein, for dissolution, the adhesive agent is liquefiable by input of heat.

33. (Previously presented) The receiving element according to claim 31, wherein the adhesive agent is dissolvable without damaging the specimen.

34. (Previously presented) The receiving element according to claim 31, wherein the adhesive agent comprises agents for carrying out the predetermined processing and/or analysis.

35. (Previously presented) The receiving element according to claim 31, wherein the adhesive agent is so designed that, after dissolution, it does not influence the predetermined processing and/or analysis.

36. (Currently amended) A receiving element for receiving a biological specimen detached from a biological mass by laser radiation, comprising:

a receiving element comprising a receiving surface for receiving the specimen, the receiving surface comprising a[[n]] dissolvable adhesive agent for enhancing the adhesion of the respective specimen to the receiving surface,

wherein the dissolvable adhesive agent is dissolvable without impairing the suitability of the specimen for predetermined processing and/or analysis, and

wherein the dissolvable adhesive agent can suppress the occurrence of electrostatic forces, acting on the specimen, in the receiving element.

37. (Currently amended) A receiving element for receiving a biological specimen detached from a biological mass by laser radiation, comprising:

a receiving element comprising a receiving surface for receiving the specimen, the receiving surface comprising a[[n]] dissolvable adhesive agent for enhancing the adhesion of the respective specimen to the receiving surface,

wherein the dissolvable adhesive agent is dissolvable without impairing the suitability of the specimen for predetermined processing and/or analysis, and

wherein the dissolvable adhesive agent is so designed that it may receive agents for further processing and/or analysis of the specimen.

38. (Currently amended) A receiving element for receiving a biological specimen detached from a biological mass by laser radiation, comprising:

a receiving element comprising a receiving surface for receiving the specimen, the receiving surface comprising a[[n]] dissolvable adhesive agent for enhancing the adhesion of the respective specimen to the receiving surface,

wherein the dissolvable adhesive agent is dissolvable without impairing the suitability of the specimen for predetermined processing and/or analysis, and

wherein the dissolvable adhesive agent is a hydrogel.

39. (Previously presented) The receiving element according to claim 38, wherein the hydrogel is so designed that it suppresses the occurrence of electrostatic forces, acting on the specimen, in the receiving element.

40. (Previously presented) The receiving element according to claim 38, wherein the hydrogel is dissolvable without damaging the specimen.

41. (Previously presented) The receiving element according to claim 40, wherein the hydrogel is dissolvable by addition of an enzyme.
42. (Previously presented) The receiving element according to claim 40, wherein, for dissolution, the hydrogel is liquefiable by input of heat.
43. (Previously presented) The receiving element according to claim 38, wherein the hydrogel is so designed that it may receive agents for further processing and/or analysis of the specimen.
44. (Previously presented) The receiving element according to claim 43, wherein the agents for further processing and/or analysis of the specimen are incorporated in the hydrogel.
45. (Previously presented) The receiving element according to claim 44, wherein the agents for further processing of the specimen comprise buffer agents, a cell culture medium and/or an enzyme prebatch.
46. (Previously presented) The receiving element according to claim 38, wherein the hydrogel comprises agarose.
47. (Previously presented) The receiving element according to claim 46, wherein the hydrogel consists of pure agarose.
48. (Previously presented) The receiving element according to claim 38, wherein the hydrogel comprises at least one of a hydrogel based on proteinogenic substances, collagen, a sugar-based network former and a polyacrylamide.
49. (Previously presented) The receiving element according to claim 38, wherein the receiving element comprises a lid portion suitable for covering a cell culture dish, and a

supporting element fitted in the lid portion, said supporting element having the receiving surface on a side remote from the lid portion.

50. (Previously presented) The receiving element according to claim 49, wherein the supporting element is made of silicone or acrylic polymer.

51. (Currently amended) The receiving element according to claim 49, wherein the supporting element has a height which is so selected that the distance between the hydrogel and a base of the cell culture dish container is less than 10 mm when the lid portion is covering the cell culture dish container.

52. (Previously presented) The receiving element according to claim 49, wherein the supporting element is fitted removably on the lid portion.

53. (Previously presented) The receiving element according to claim 38, wherein the receiving element takes the form of a multiple culture dish.

54. (Previously presented) The receiving element according to claim 38, wherein the receiving element takes the form of a microtitre plate.

55. (Previously presented) The receiving element according to claim 38, wherein receiving wells of the receiving element are filled to a predetermined level with the adhesive agent.

56. (Currently amended) A method of obtaining a biological specimen, comprising:
detaching the specimen with a laser from a biological mass,
transporting the specimen with a laser pulse to a receiving element,
receiving the specimen on a receiving surface of a receiving element, said receiving surface comprising a dissolvable adhesive agent, and
dissolving the dissolvable adhesive agent of the receiving element.

wherein said dissolving step is performed without impairing the suitability of the specimen for a further processing.

57. (Previously presented) The method according to claim 56, further comprising liberating agents incorporated in the adhesive agent for at least one of further processing and analysis of the biological specimens when dissolving said adhesive agent.

58. (Canceled)

59. (Previously presented) The method according to claim 56, wherein said adhesive agent comprises a hydrogel.

60. (Previously presented) The method according to claim 59, wherein said hydrogel comprises at least one of agarose, a proteinogenic substance, a collagen, a sugar-based network former and polyacrylamide.

61. (Previously presented) The method according to claim 56, wherein said detaching and transporting steps comprise performing a laser-triggered transportation process.